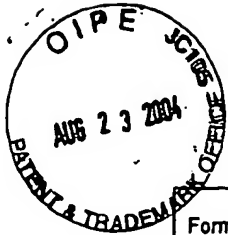




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Form PTO-1449		Docket No.: 41482-205545		Application No. 10/029,095	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: Talish et al.			
		Filing Date: October 25, 2001		Group Art Unit 3737	
U.S. PATENT DOCUMENTS					
Examiner Initial	Patent Number	Date	Patentee	Class	Subclass
K.H.	32,782	11/15/88	Pratt, Jr.		
	34,959	05/30/95	Potts		
	3,134,451	05/26/64	Hanssen		
	3,193,034	07/06/65	Hutchinson, et al.		
	3,310,049	03/21/67	Clynes		
	3,433,663	03/18/69	Underwood		
	3,499,437	03/10/70	Balamuth		
	3,550,586	12/29/70	Balamuth		
	3,594,993	07/27/71	Heyse		
	3,701,352	10/31/72	Bosworth		
	3,760,799	09/25/73	Crowson		
	3,767,195	10/23/73	Dimick		
	3,828,769	08/13/74	Mettler		
	3,855,638	12/24/74	Pilliar		
	3,961,380	06/08/76	Garr		
	3,986,212	10/19/76	Sauer		
	4,105,017	08/08/78	Ryaby et al.		
	4,127,125	11/28/78	Takemoto et al.		
	4,164,794	08/21/79	Spector, et al.		
	4,170,045	10/09/79	Estes		
	4,176,664	12/04/79	Talish		
	4,206,516	06/10/80	Pilliar		
	4,216,766	08/12/80	Duykers, et al.		
	4,227,111	10/07/80	Cross, et al.		
	4,233,477	11/11/80	Rice, et al.		
	4,269,797	05/26/81	Mikiya, et al.		
	4,296,753	10/27/81	Goudin		
	4,312,536	01/26/82	Lloyd		
	4,315,503	12/16/82	Ryaby et al.		
	4,351,069	09/28/82	Ballintyn, et al.		
	4,355,428	10/26/82	Deloison, et al.		
	4,358,105	11/09/82	Sweeney, Jr.		
	4,361,154	11/30/82	Pratt, Jr.		
	4,365,359	12/28/82	Raab		
4,383,533	05/17/83	Bhagat et al.			
4,421,119	12/20/83	Pratt, Jr.			
4,440,025	04/03/84	Hayakawa, et al.			
4,441,486	04/10/84	Pounds			
Examiner: <i>K.H.</i>	Date Considered: 3/21/05				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					



Sheet 2 of 10

Form PTO-1449		Docket No.: 41482-205545		Application No. 10/029,095		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: Talish et al.				
		Filing Date: October 25, 2001		Group Art Unit 3737		
U.S. PATENT DOCUMENTS						
Examiner Initial	Patent Number	Date	Patentee	Class	Subclass	
KAC	4,446,586	05/08/84	Reed et al.			
	4,452,326	06/05/84	Hanssen, et al.			
	4,511,921	04/16/85	Harlan et al.			
	4,530,360	07/23/85	Duarte			
	4,536,894	08/27/85	Galante, et al.			
	4,542,539	09/24/85	Rowe, Jr., et al.			
	4,542,744	09/24/85	Barnes et al.			
	4,550,714	11/85	Talish			
	4,556,066	12/03/85	Semrow			
	4,570,640	02/18/86	Barsa			
	4,573,996	03/04/86	Kwiatek, et al.			
	4,594,662	06/10/86	Devaney			
	4,612,160	09/16/86	Donlevy, et al.			
	4,627,429	12/09/86	Tsuk			
	4,630,323	12/23/86	Sage et al.			
	4,644,942	02/24/87	Sump			
	4,677,438	06/30/87	Michiguchi et al			
	4,687,195	08/18/87	Potts			
	4,708,127	11/24/87	Abdelghani			
	4,710,655	12/01/87	Masaki			
	4,770,184	09/13/88	Greene, Jr. et al.			
	4,726,099	02/23/88	Card			
	4,763,661	08/16/88	Sommer et al.			
	4,774,959	10/04/88	Palmer et al.			
	4,782,822	11/08/88	Ricken			
	4,787,070	11/22/88	Suzuki et al.			
	4,787,888	11/29/88	Fox			
	4,792,336	12/20/88	Hlavacek, et al.			
	4,802,477	02/07/89	Gabbay			
	4,830,015	05/16/89	Okazaki			
	4,836,316	06/06/89	Carnevale, et al.			
	4,855,911	08/08/89	Lele et al.			
	4,858,599	08/22/89	Halpern			
4,867,169	09/19/89	Machida et al.				
4,891,849	01/09/90	Robinson				
4,905,671	03/06/90	Senge et al.				
Examiner: KAC	Date Considered: 3/2/05					
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						



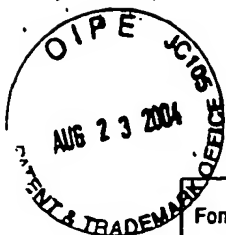
Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket No.: 41482-205545	Application No. 10/029,095
	Applicant: Talish et al.	
	Filing Date: October 25, 2001	Group Art Unit 3737

U.S. PATENT DOCUMENTS

Examiner Initial	Patent Number	Date	Patentee	Class	Subclass
	4,913,157	04/03/90	Pratt, Jr. et al.		
	4,917,092	04/17/90	Todd, et al.		
	4,926,870	05/22/90	Brandenburger		
	4,932,951	06/12/90	Liboff et al.		
	4,933,230	06/12/90	Card, et al.		
	4,936,303	06/26/90	Detwiler et al.		
	4,941,474	07/17/90	Pratt, Jr.		
	4,947,853	08/14/90	Hon		
	4,979,501	12/25/90	Valchanov et al.		
	4,982,730	01/08/91	Lewis, Jr.		
	4,986,275	01/22/91	Ishida et al.		
	4,993,413	02/19/91	McLeod et al.		
	4,995,883	02/26/91	Demane, et al.		
	5,000,183	03/19/91	Bonnefous		
	5,000,442	03/19/91	Dalebout, et al.		
	5,003,965	04/02/91	Talish et al.		
	5,004,476	04/02/91	Cook		
	5,016,641	05/21/91	Schwartz		
	5,018,285	05/28/91	Zolman, et al.		
	5,046,484	09/10/91	Bassett, et al.		
	5,054,490	10/08/91	Rossman et al.		
	5,067,940	11/26/91	Liboff et al.		
	5,080,672	01/14/92	Bellis		
	5,088,976	02/18/92	Liboff et al.		
	5,099,702	03/31/92	French		
	5,100,373	03/31/92	Liboff et al.		
	5,103,806	04/14/92	McLeod et al.		
	5,106,361	04/21/92	Liboff et al.		
	5,107,853	04/28/92	Plyter		
	5,108,452	04/28/92	Fallin		
	5,133,420	07/28/92	Smith		
	5,134,999	08/04/92	Osipov		
	5,139,498	08/18/92	Astudillo Ley		
	5,140,988	08/25/92	Stouffer et al.		
	5,143,069	09/01/92	Kwon et al.		
	5,143,073	09/92	Dory		
	5,163,598	11/17/92	Peters, et la.		
	5,172,692	12/22/92	Kulow et al.		
	5,178,134	01/12/93	Vago		

Examiner: <i>Korich</i>	Date Considered: <i>3/2/05</i>
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10/029,095

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(Use several sheets if necessary)

Applicant:

Talish et al.

Filing Date:

October 25, 2001

Group Art Unit

3737

U.S. PATENT DOCUMENTS

Examiner Initial	Patent Number	Date	Patentee	Class	Subclass
JRZ	5,184,605	02/09/93	Grzeszykowski		
	5,186,162	02/16/93	Talish et al.		
	5,191,880	03/09/93	McLeod et al.		
	5,197,475	03/30/93	Antich et al.		
	5,201,766	04/13/93	Georgette		
	5,209,221	05/11/93	Riedlinger		
	5,211,160	05/18/93	Talish et al.		
	5,230,334	07/27/93	Klopotek		
	5,230,345	07/27/93	Curran, et al.		
	5,230,921	07/27/93	Waltonen, et al.		
	5,235,981	08/17/93	Hascoet et al.		
	5,259,384	11/09/93	Kaufman et al.		
	5,269,306	12/14/93	Warnking, et al.		
	5,273,028	12/28/93	McLeod, et al.		
	5,284,143	02/08/94	Rattner		
	5,285,788	02/15/94	Arenson et al.		
	5,295,931	03/22/94	Dreibelbis, et al.		
	5,301,683	04/12/94	Durkan		
	5,309,898	05/10/94	Kaufman et al.		
	5,310,408	05/10/94	Schryver, et al.		
	5,314,401	05/24/94	Tepper		
	5,316,000	05/31/94	Chapelon, et al.		
	5,318,561	06/07/94	McLeod et al.		
	5,318,779	06/07/94	Hakamatsuka, et al.		
	5,322,067	06/21/94	Prater et al.		
	5,323,769	06/28/94	Bommannan, et al.		
	5,327,890	07/12/94	Matura et al.		
	5,330,481	07/19/94	Hood, et al.		
	5,330,489	07/19/94	Green, et al.		
	5,334,214	08/02/94	Putnam		
	5,339,804	08/23/94	Kemp		
	5,340,510	08/23/94	Bowen		
	5,351,389	10/04/94	Erickson et al.		
	5,363,850	11/15/94	Soni et al.		
	5,366,465	11/22/94	Mirza		
	5,367,500	11/22/94	Ng		
	5,376,065	12/27/94	McLeod et al.		
JRZ	5,380,269	01/10/95	Urso		
	5,386,830	02/07/95	Powers et al.		

Examiner:

Date Considered:

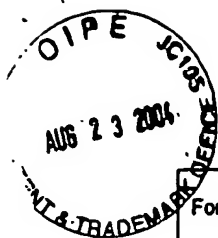
3/2/05

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Form PTO-1449		Docket No.: 41482-205545		Application No. 10/029,095			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: Talish et al.					
		Filing Date: October 25, 2001		Group Art Unit 3737			
U.S. PATENT DOCUMENTS							
Examiner Initial	Patent Number	Date	Patentee	Class	Subclass		
Kuz	5,393,296	02/28/95	Rattner				
	5,394,878	03/07/95	Frazin et al.				
	5,398,290	03/14/95	Brethour				
	5,400,795	03/28/95	Murphy, et al.				
	5,405,389	04/11/95	Conta, et al.				
	5,409,446	04/25/95	Rattner				
	5,413,550	05/09/95	Castel				
	5,415,167	05/16/95	Wilk				
	5,417,215	05/23/95	Evans et al.				
	5,431,612	07/11/95	Holden				
	5,434,827	07/18/95	Bolorforosh				
	5,441,051	08/15/95	Hileman et al				
	5,441,058	08/15/95	Fareed				
	5,448,994	09/12/95	Iinuma				
	5,460,595	10/24/95	Hall, et al.				
	5,466,215	11/14/95	Lair, et al.				
	5,468,220	11/21/95	Sucher				
	5,476,438	12/19/95	Edrich, et al.				
	5,478,306	12/26/95	Stoner				
	5,492,525	02/20/96	Gibney				
	5,495,846	03/05/96	Uehara et al.				
	5,496,256	03/05/96	Bock et al.				
	5,501,657	03/26/96	Feero				
	5,507,800	04/16/96	Strickland				
	5,507,830	04/16/96	DeMane, et al.				
	5,509,933	04/23/96	Davidson, et al.				
	5,520,612	05/28/96	Winder et al.				
	5,524,624	06/11/96	Tepper, et al.				
	5,526,815	06/18/96	Granz, et al.				
	5,541,489	07/30/96	Dunstan				
	5,547,459	08/20/96	Kaufman et al.				
	5,556,372	09/17/96	Talish et al.				
	5,578,060	11/26/96	Pohl et al.				
	5,615,466	04/01/97	Safari, et al.				
	5,626,554	05/06/97	Ryaby, et al.				
	5,630,837	05/20/97	Crowley				
5,648,941	07/15/97	King					
5,656,016	08/12/97	Ogden					
5,680,863	10/28/97	Hossack, et al.					
Examiner: Kuz	Date Considered:		3/2/05				
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Applicant:

Talish et al.

Filing Date:

October 25, 2001

Group Art Unit

3737

U.S. PATENT DOCUMENTS

Examiner Initial	Patent Number	Date	Patentee	Class	Subclass
KAC	5,690,608	11/25/97	Watanabe, et al.		
	5,691,960	11/25/97	Gentilman, et al.		
	5,699,803	12/23/97	Carodiskey		
	5,702,353	12/30/97	Guzzini, et al.		
	5,702,389	12/30/97	Taylor, et al.		
	5,706,818	01/13/98	Gondo		
	5,708,236	01/13/98	Shaanan, et al.		
	5,721,400	02/24/98	Haraldsson, et al.		
	5,725,482	03/10/98	Bishop		
	5,728,095	03/17/98	Taylor et al.		
	5,730,705	03/24/98	Talish, et al.		
	5,738,625	04/14/98	Gluck		
	5,741,317	04/21/98	Ostrow		
	5,743,862	04/28/98	Izumi		
	5,755,746	05/26/98	Lifshey, et al.		
	5,762,616	06/09/98	Talish		
	5,779,600	07/14/98	Pape		
	5,785,656	07/28/98	Chiabrera, et al.		
	5,818,149	10/06/98	Safari et al.		
	5,829,437	11/03/98	Bridges		
	5,868,649	02/09/99	Erickson, et al.		
	5,871,446	02/16/99	Wilk		
	5,886,302	03/23/99	Germanton, et al.		
	5,891,143	04/06/99	Taylor et al.		
	5,904,659	05/18/99	Duarte, et al.		
	5,957,814	09/28/99	Eschenbach		
	5,971,984	10/26/99	Taylor et al.		
	5,997,490	12/07/99	McLeod, et al.		
	6,019,710	02/01/00	Dalebout, et al.		
	6,030,386	02/29/00	Taylor et al.		
	6,080,088	06/27/00	Petersen, et al.		
	6,086,078	07/11/00	Ferez		
	6,093,135	07/25/00	Huang		
	6,165,144	12/26/00	Talish, et al.		
	6,206,843	03/2001	Iger, et al.		
	6,213,958	04/10/01	Winder		
	6,261,249	07/17/01	Talish, et al.		
	6,273,864	08/14/01	Duarte		

Examiner:

Date Considered: 3/2/05

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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket No.: 41482-205545	Application No. 10/029,095
	Applicant: Talish et al.	
	Filing Date: October 25, 2001	Group Art Unit 3737

NON U.S. DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation
KAPL	2156983A	10/16/85	UK			
	0 181 506 A2	05/21/86	Europe			
	SHO 62[1987]-47359	03/02/87	JAPAN			
	DE 3639263 A1	06/25/87	Germany			
	WO 88/00845	02/11/88	PCT			
KAPL	WO 88/02250	04/07/88	PCT			
	331 348 A1	09/06/89	Europe			
KAPL	** Patent Abstracts vol. 013, n. 541 (E-854)	12/05/89	Japan			
	WO 90/06720	06/28/90	PCT			
KAPL	** HEI 4[1992]-82567	03/16/92	JAPAN			
	HEI 4[1992]-82568	03/16/92	JAPAN			
KAPL	HEI 4[1992]-82569	03/16/92	JAPAN			
	0 536 875 A1	04/14/93	Europe			
	HEI 5[1993]-269159	10/19/93	JAPAN			
	1,328,485	04/12/94	CA			
	WO 94/13411	06/23/94	PCT			
	2277448A	11/02/94	UK			
	WO 95/03744	02/09/95	PCT			
	0 679 371 A1	11/02/95	Europe			
	WO 95/33416	12/14/95	PCT			
	EP 0 695 559	02/07/96	Europe			
	WO 96/25112	08/22/96	PCT			
	WO 96/25888	08/29/96	PCT			
	DE 19613425	01/16/97	Germany			
	2 303 552 A	02/26/97	UK			
	WO 97/33649	09/18/97	PCT			
	WO 98/10729	03/19/98	PCT			
	WO 98/34578	08/13/98	PCT			
	WO 98/47570	10/29/98	PCT			
	WO 99/18876	04/22/99	PCT			
	WO 99/22652	05/14/99	PCT			
	WO 99/48621	09/30/99	PCT			
	WO 99/56829	11/11/99	PCT			
KAPL	WO 00/28925	05/25/00	PCT			
	WO 00/71207	11/30/00	PCT			

Examiner:

Date Considered:

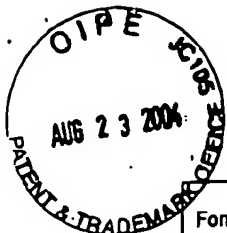
3/2/05

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Form PTO-1449		Docket No.: 41482-205545	Application No. 10/029,095
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: Talish et al.	
		Filing Date: October 25, 2001	Group Art Unit 3737
OTHER MATERIAL			
Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.		
KAZ	ABSTRACT, (Proceedings of the 11 th Int'l. Conference on Medical and Biological Engineering) "ULTRASONIC STIMULATION OF FRACTURE HEALING", 1976.		
	ABSTRACT, (Proceedings of the III Congress on Biomedical Engineering) "ULTRASONIC ACTION ON CALLUS FORMATION IN BONES", 1975.		
	ABSTRACT, (Proceedings of the IV Brazilian Congress on Biomedical Engineering) "ULTRASOUND IN THE TREATMENT OF FRACTURES", 1977.		
	ASTM Designation: D790M-93 Metric, "Standard Test Methods for flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials [Metric]", pp. 176-184, (Dec. 1993).		
	ASTM Designation: C1161-90, "Standard Test Method for Flexural Strength of Advanced Ceramics at Ambient Temperature," pp.324-330.(Feb. 1991)		
	7Brochure: "The Science Behind the Technology," distributed by Smith & Nephew for EXOGEN. (no date)		
KAZ	Aral et al., "THE EFFECT OF ULTRASOUND STIMULATION ON DISUSE OSTEOPOROSIS", BRAGS 17, 1993.		
"	Berridge, M.J., "Inositol Trisphosphate and Calcium Signaling", <i>Nature</i> (1993), 361: 315-325.		
"	Clarke, P.R. et al., "Physical and Chemical Aspects of Ultrasonic Disruption of Cells", <i>JASA</i> (1969), 47(2): 648-653.		
KAZ	Duarte, L.R., "The Stimulation of Bone Growth by Ultrasound", <i>Arch. Orthop. Trauma Surg</i> (1983), 101: 153-159.		
	Dyson, M., "Therapeutic Applications of Ultrasound", <i>Biological Effects of Ultrasound</i> (1985), Nyborg, W.L. and Ziskin, M.C., eds; Churchill Livingstone Inc., New York, Chapter 11.		
	Goodship, A.E. et al., "The Influence of Induced Micromovement Upon the Healing of Experimental Tibial Fractures", <i>J. Bone and Joint Surg.</i> (1985), 67-B(4): 650-655.		
KAZ	Heckman, J.D. et al., "Acceleration of Tibial Fracture Healing by Non-Invasive Low-Intensity Pulsed Ultrasound", <i>J. Bone and Joint Surg.</i> (1994), 76-A(1): 26-34.		
no copy	Hill, C.R., "Ultrasonic Exposure Thresholds for Changes in Cells and Tissues", <i>JASA</i> (1972), 52(2): 667-672.		
KAZ	Howkins, S.D., "Diffusion Rates and the Effect of Ultrasound", <i>Ultrasonics</i> (1969), 129-130.		
KAZ	Kristiansen, T.K. et al., "Accelerated Healing of Distal Radial Fractures with the Use of Specific, Low-Intensity Ultrasound", <i>J. Bone and Joint Surg.</i> (1997), 79-A(7) 961-973.		
KAZ	Maurice Hilario, "LOW-INTENSITY ULTRASOUND RADIATION IN THE TISSUE REPAIR OF TROPHIC LEG ULCERS", 1983, University of Sao Paulo, pp. 1-125.		
no copy	Patilka, B.A., et al., Abstract, Biological Repair and Growth Society, June 1998.		
"	Phoenix (Business Wire), July 8, 1997 via CompanyLink - OrthoLogic Corp.		
"	Pilla, A.A. et al., "Non-Invasive Low-Intensity Ultrasound Accelerates Bone Repair: Rabbit Flubla Model and Human Collas' and Tibial Fractures", <i>Annual Int'l. Conference of IEEE-EMBS Proceedings</i> (1990), 12:1573-1574.		
"	"Reflex Sympathetic Dystrophy, Does RSD Exist?" www.arbon.com (06/04/97)"		
"	"Reflex Sympathetic Dystrophy: The Pain That Doesn't Stop," tcc.cc.ne.us (06/04/97)		
"	RSDnet.org "Reflex Sympathetic Dystrophy," www.rsdnet.org (06/04/97)		
"	RSDnet.org "Reflex Sympathetic Dystrophy," www.rsdnet.org (06/04/97)		
KAZ	Ter Haar, G., et al., "Basic Physics of Therapeutic Ultrasound", <i>Physiotherapy</i> (1987), 73(3): 110-113.		
	Wallace, A.L.; Draper E.R.C.; Strachan, R.K.; McCarthy, I.D.; Hughes, S.P.F., "The Vascular Response to Fracture Micromovement", <i>Clinical Orthopaedics and Related Research</i> (1994), 301: 281-290.		
	Wang, S.J. et al., "Low-Intensity Ultrasound Treatment Increases Strength in a Rat Femoral Fracture Model", <i>J. Ortho Research</i> (1994), 12: 40-47.		
	Webster, D.F. et al., "The Role of Ultrasound-Induced Cavitation in the 'In Vitro' Stimulation of Collagen Synthesis in Human Fibroblasts", <i>Ultrasonics</i> (1980), 33-37.		
KAZ	Yang, K.H. et al., "Exposure to Low-Intensity Ultrasound Treatment Increases Aggrecan Gene Expression in a Rat Femur Fracture Model", <i>J. Ortho Research</i> (1996), 14:802-809.		
Examiner:	Date Considered:		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			



Sheet 9 of 10

Form PTO-1449		Docket No.: 41482-205545	Application No. 10/029,095
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: Talish et al.	
		Filing Date: October 25, 2001	Group Art Unit 3737
OTHER MATERIAL			
Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.		
KAC	"Treatment of Osteochondral Defects in Rabbits with SAFHS – Parts I and II, EX1095-01R, EX1096-01R		
	"Treatment of Osteochondral Defects in Rabbits with SAFHS – Part III, EX1097-01R (August 26, 1997).		
	Cook, Stephen and L. Patron, "Treatment of Osteochondral Defects in Rabbits with SAFHS – A Mosaicplasty Model" – Final Report, EX1098-04R (August 12, 1999).		
	Acoustic Emission – An Update, by Arthur E. Lord, Jr., 1981, Physical Acoustics, vol. XV, pp. 295-360		
	Acoustic Emission and Diagnosis of Osteoporosis, by S. Hanagud, G. T. Hannon and R. Clinton, 1974, Ultrasonic Symposium Proceedings (IEEE), pp. 77-81		
	Acoustic Emission in Bone Substance, by S. Hanagud, R.G. Clinton and J.P. Lopez, 1973, Biomechanics Symposium Proceedings (ASME), pp. 79-81		
	Acoustic Emission Inspection, by Adrian A. Pollock, 1992, ASM Handbook, vol. 17, Nondestructive Evaluation and Quality Control, pp. 278-293		
	Acoustic Emission Techniques in the Development of a Diagnostic Tool for Osteoporosis, by S. Hanagud and R. G. Clinton, 1975, Ultrasonic Symposium Proceedings (IEEE), pp. 41-45		
	Application of an intelligent signal processing system to acoustic emission analysis, by Igo Grabec and Wolfgang Sachse, Mar. 1989, Acoustic Society of America, pp. 787-791		
	Application of correlation techniques for localization of acoustic emission sources, by I. Grabec, 1978, IPC Business Press Ltd., pp. 111-115		
	Comejo, et al., "Large-Area Flexible-Array Piezoelectric Ceramic/Polymer composite Transducer for Bone Healing Acceleration," presented at ISAFXI, Montreux, Switzerland (1998)		
	Clough, R. and J. Simmons, "Theory of Acoustic Emission," Metallurgy Division, national Bureau of Standards. (no date).		
KAC	Fritton, et al., "Whole-Body Vibration in the Skeleton: Development of a Resonance-Based Testing Device," <i>Annals of Biomedical Engineering</i> , Vol. 25, pp. 831-839 (1997)		
**	Goodship, et al., "Low magnitude high frequency mechanical stimulation of endochondral bone repair" 43rd Annual Meeting Orthopaedic Research Society, vol. 22, Sec. 1, Feb. 9-13 (1997)		
KAC	J. Kenwright, et al., "Controlled Mechanical Stimulation in the Treatment of Fibial Fractures," <i>Orthopedics, Clinical Orthopedics and Related Research</i> (1989) 241:36-47		
KAC	Jankovich, "The Effects of Mechanical Vibration on Bone Development in the Rat," <i>J. Biomechanics</i> , 1972, Vol. 5, pp. 241-250		
KAC	Ko, "Preform Fiber Architecture for Ceramic-Matrix Composites," <i>Ceramic Bulletin</i> , Vol. 68, No. 2, pp. 401-414 (1989)		
**	McLeod, et al., "Improved Postural Stability Following Short-Term Exposure to Low Level Whole Body Vibration," 44th Annual Meeting, Orthopaedic Research Society, March 16-19, 1998, New Orleans, Louisiana, page 89-15		
KAC	Newnham, et al., "Connectivity and Piezoelectric-Pyroelectric Composites, <i>Med. Res. Bull.</i> , Vol. 13, pp. 525-536 (1978)		
KAC	Pauer, "Flexible Piezoelectric Material," pp. 1-5, (no date)		
**	Pilgrim, et al., "An Extension of the Composite Nomenclature Scheme," <i>Med. Res. Bull.</i>, Vol. 22, pp. 877-894 (1987)		
KAC	Powell, et al., "A Performance Appraisal of Flexible Array Structures Using a Facet Ensemble Scattering Technique," <i>1991 Ultrasonic Symposium</i> , pp. 753-766		
KAC	Powell, et al., "Flexible Ultrasonic Transducer Arrays for Nondestructive Evaluation Applications – Part I: The Theoretical Modeling Approach," <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , Vol. 43, No. 3, May 1996, pp. 385-392.		
KAC	Powell, et al., "Flexible Ultrasonic Transducer Arrays for Nondestructive Evaluation Applications – Part II: Performance Assessment of different Array Configurations," <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , Vol. 43, No. 3, May 1996, pp. 393-402.		
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	Filing Date: October 25, 2001	Group Art Unit 3737
OTHER MATERIAL		
Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.	
<i>LMZ</i>	Sarvazyan, "Some General Problems of Biological Action of Ultrasound," IEEE Transactions on Sonics and Ultrasonics, vol. 30, No. 1, Jan. 1983	
<i>LMZ</i>	Ultrasound as a Tool for Investigating Bone: Fundamental Principles and Perspectives for Use in Osteoporosis, by J. G. Bloch, 1993, Expansion Scientifique Francaise	
**	Y. Qin, et al., "Correlation of In Vivo Bone Adaptation and Mechanical Parameters Using Low Magnitude, High Frequency Loading," 41 st Annual Meeting Orthopaedic Research Soc., vol. 20 - Sec. 1, Feb. 13-16 (1996)	
**	Bascom, "Other Continuous Fibers," 118/Constituent Material Form	
**	Bascom, "Other Discontinuous Forms," 120/Constituent Material Forms	
**	Cass, "Fabrication of Continuous Ceramic Fiber by the Viscous Suspension Spinning Process," Ceramic Bulletin, Vol. 70, No. 3, pp. 424-429 (1991)	
<i>LMZ</i>	"Development of Flexible Piezoelectric Transducers and Matching Layers for EXOGEN Incorporated," Final Report, Covering Period 04-01-97 to 02-28-98, Rutgers University.	
**	Grewe, et al., "Acoustic Properties of Particle Polymer Composite for Ultrasonic Transducer Backing Applications," IEEE, (1990)	
<i>LMZ</i>	Grewe, Martha G., "Acoustic Matching And Backing Layer for Medical Ultrasonic Transducers," A Thesis in Solid State Science, The Pennsylvania State University; (May 1989), The Center for Ceramics Research, Rutgers.	
	Gururaja, T., "Piezoelectric Composite Materials for Ultrasonic Transducer Applications," A Thesis in Solid State Science, The Pennsylvania State University, May 1984.	
	Gururaja, "Piezoelectrics for Medical Ultrasonic Imaging," Am. Ceram. Soc. Bull., Vol. 73, No. 5, pp. 50-55 (May 1994)	
	Hall, et al., "The design and evaluation of ultrasonic arrays using 1-3 connectivity composites," SPIE, pp. 216-227, Vol. 1733 (1992)	
	Pilla, et al., "Non-Invasive Low-Intensity Pulsed Ultrasound Accelerates Bone Healing in the Rabbit," Journal of Orthopaedic Trauma, Vol. 4, No. 3, pp. 246-253 (1990)	
	Safari, "Development of piezoelectric composites for transducers," J. Phys. France, 4:1129-1149 (1994)	
	Selfridge, "Approximate Material Properties in Isotropic Materials," IEEE Transactions on Sonics and Ultrasonics, 9 May 1985)	
	Souquet, et al., "Design of Low-Loss Wide-Band Ultrasonic Transducers for Noninvasive Medical Application," IEEE Transactions on Sonics and Ultrasonics, pp. 75-81, Vol. SU-26, No. 2, March 1979	
	Waller, et al., "Poling of Lead Zirconate Titanate Ceramics and Flexible Piezoelectric Composites by the Corona Discharge Technique," J. Am. Ceram. Soc., 72(2):322-24 (1989)	
	Winder, Alan, "Synthetic Structural Imaging and Volume Estimation of Biological Tissue Organs," Acoustic Sciences Associates, Dec. 1995.	
<i>LMZ</i>	Winder, Alan, "Acoustic Emission Monitoring for the Detection, Localization and Classification of Metabolic Bone Disease," Acoustic Sciences Associates, Dec. 1995.	
**	Wu and Cubberly, "Measurement of Velocity and Attenuation of Shear Waves in Bovine Compact Bone Using Ultrasonic Spectroscopy," Med. & Biol., Vol. 23, No. 4, 129-134, 1997.	
**	Tavakoli and Evans, 1992 (no other information available at this time)	
Examiner:	Date Considered: 3/2/05	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/029,095	
			Filing Date	October 25, 2001	
			First Named Inventor	Talish, et al.	
			Group Art Unit	3737	
			Examiner Name		
Sheet	1	of	2	Attorney Docket Number	41482-205545

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
K/AZ		US- 4,476,847	10/16/84	Taenzer, et al.	
		US-5,181,512	01/26/93	Viebach, et al.	
		US-5,254,123	10/19/93	Bushéy	
		US- 5,307,284	04/26/94	Brunfeldt, et al.	
		US- 5,424,550	06/13/95	Kawano, et al.	
		US- 5,626,630	05/06/97	Markowitz, et al.	
		US-5,899,425	05/04/99	Corey Jr., et al.	
		US-6,022,349	02/08/00	McLeod, et al.	
		US-6,068,596	05/30/00	Weth, et al.	
		US-6,179,797	01/30/01	Brotz	
K/AZ		US-6,261,221	07/17/01	Tepper, et al.	
		US- 6,360,027	03/19/02	Hossack, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
K/AZ		WO 85/03449		08/15/85	Ben-Dov	
		DE 4111055 A1		10/10/91	Ronge jun.	
		DE 29811185 U1		10/01/98	Rhee	
		WO 00/03663*		01/27/00	Hagenmeyer	
		AU 19950292		02/07/00	Hagenmeyer	
K/AZ		WO 00/76406		12/21/00	Winder et al.	

*For English version see related Australian Application No. 19950292

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		Filing Date	October 25, 2001
		First Named Inventor	Talish, et al.
		Group Art Unit	3737
		Examiner Name	
Sheet 2 of 2	Attorney Docket Number	41482-205545	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AM		Pethica, B.A., et al., Abstract, Biological Repair and Growth Society, June 1998.	
		Goodship, et al., "Low magnitude high frequency mechanical stimulation of endochondral bone repair" 43 rd Annual Meeting Orthopaedic Research Society, vol. 22, Sec. 1, Feb. 9-13 (1997)	
		Y. Qin, et al., "Correlation of In Vivo Bone Adaptation and Mechanical Parameters Using Low Magnitude, High Frequency Loading," 41 st Annual Meeting Orthopaedic Research Soc., vol. 20 – Sec. 1, Feb. 13-16 (1995)	
		Grewe, et al., "Acoustic Properties of Particle Polymer Composite for Ultrasonic Transducer Backing Applications," <i>IEEE</i> , (1990)	
		Wu and Cubberly, "Measurement of Velocity and Attenuation of Shear Waves in Bovine Compact Bone Using Ultrasonic Spectroscopy," <i>Med. & Biol.</i> , Vol. 23, No. 1, 129-134, 1997.	
		Pilla, et al., "Non-Invasive Low-Intensity Pulsed Ultrasound Accelerates Bone Healing in the Rabbit," <i>Journal of Orthopaedic Trauma</i> , Vol. 4, No. 3, pp. 246-253 (1990)	
		Bascom, "Other Continuous Fibers," 118/Constituent Material Form	
		Bascom, "Other Discontinuous Forms," 120/Constituent Material Forms	
AA		Niemczewski, B., "A Comparison of Ultrasonic Cavitation Intensity in Liquids," <i>Ultrasonics</i> , May 1980, pp. 107-110.	

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